

ABSTRACT

CHOPPED STRAND MAT BY A WET ROUTE

The invention relates to a process for manufacturing a chopped strand mat that can be used for the reinforcement of thermosetting resins. The process comprises a step of dispersing strands, that are chopped and dried after sizing with a sizing liquid comprising an organosilane and a film former, in a white water, then a step of forming a web by passing the dispersion over a forming wire, through which the white water is drained, the strands being retained on said wire, then a step of applying a binder and then a heat treatment step. Chopped strand mats with a uniform mass per unit area of generally between 50 and 1100 g/m² are obtained. A few chopped strands are broken down into filaments within the mat.